OIPE

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Fig. 1. ?

NL1:

																_						;
GGCTC	CTC	ATC	TGG	AA	CACC	CTC	GGG	TC	ACC	cca	GΑ	CA	ACG	GTG	GT	GGGA	AGG	GAG	AGC	CGC	3C	60
CTCCT	CCI	'ccc	TGG	TG	GGG	CT	GTC	TG	GT	3AA	GC	CC	CTC	TGI	TC	CCG	\GG	ATC	GT(CC	CA	120
ACCCC	CAC	CCG	GGI	'GC	TCC	3AG	CCA	TG	3CC	JAC	AC	CA	TCT	TCG	GC	AGC	3GG	ААТ	GA:	rcz	AG	180
								М	Α.	Ø	T	']	C	F	G	·s	G	N	D	Ş	2	12
TGGGI	TT	3CCC	CAZ	λTG	ACC	GGC	AGC	TT	GCC	CTT	CG	AG	CCF	AGO	CTG	CAG	ACG	GGC	TG	GT.	CC	240
₩ '	A (2	P 1	N	D	R	Q	L	A	L]	R	A	к	L	Q	Т	/G	W	I	s	32
GTGC	ACA(CCTA	CC?	٩GA	CGG	AGA	\AG	CAG	AGG	AGC	AA	AG C	AGO	CAC	CTC	AGC	CCG	GCG	GΑ	GG	тG	300
v . :	Н	T	Y .	Q	т	E	ĸ	Q	R	R	: :	ĸ	Q	Н	L	. 8	P	A	E	2	v	. 52
GAGG	CCA'	TCC1	rGC.	AGG	TCA	TCC	CAG	AGG	GCA	GAG	3C(3GC	CTC	3AC	GTC	CTG	GAG	CAC	CA	G.A	GA ·	360
E	A	Ι.	L	Q Q	V	I	Q	R	A	E	:	R	L	D	V	L	E	Ç) (2 .	R	72
ATCG	GGC	GGC	rgg	TG	GAGC	GGG	CTG	GAG	ACC	:AT	GΑ	GGG	CGG.	AAT	GTO	BATG	iGG(3AAC	CGG	CC	CTG	420
I	G	R	L	v	E	R	L	E	T	ŀ	1	R	R	N	V	М	G	. 1	1 -	G	L	92
TCCC	AGI	GTC	TGC	TC	rgco	GGG	GAG	GT	3CTC	3GG	СT	TC	CTG	GGC	AG	CTCC	TC	GGT	3T1	ľĊī	rgc	480
s	Q	C	L	L	С	G	E	ν	L	(3	F	L	G	s	S	s	, ,	J	F	Ċ	112
AAAG	ACI	'GCA	.GG <i>F</i>	AG	GTC:	TGG	AAC	AG	STC	3GG	GG	cc	TGG	TTC	CTA	CAA	AGG	GCT	cco	CC	AAG	540
к	Œ	С.	R	ĸ	V	W	κ	F	.s		G	Α	W	F	Y	ŀ	(G	;	L	P	κ	132
TATA	ATC:	rtgo	cc	CTG	AAG.	ACC	cci	rgg	CCG.	AGC	TO	AT	GAG	cco	CCA	GTT	CCG	ACC	тт	GG	ccc	600
Y	I	L	P	L	ĸ	T	P	c	3 R		Α	D	E	P	Ç	2 1	e F	ર	P	W	P	152
ACG	GAA:	CCGG	CAG	GAG	CGA	GAG	GC(CAG	AAG	СТС	CTC	3AG	AC	CAG	CCG	CAT	CTA	CAC	GT	GG	GCC	660
T	E	P	A	E	R	E	P	1	R S	3	s	E	т	8	5 F	₹ :	r	Y,	Т	M	A	172
CGA	GGA	AGA	3TG	GT1	TCC	:AG1	ľGA	CAG	TGP	CAC	3T(GAC	CTC	GGA:	TCI	TAG	CTC	CTC	CA	GC	ста	720
Ŕ	G	R	v	. v	s	·s	D		s i)	s	D	s	. 1	ו כ	Ĺ	s	s	s	s	L	192
GAG	GAC	AGA	CTC	CCZ	ATCO	CAC	rgg	GG1	CAC	GG.	A C	CGC	AAE	AGG	CG/	ACAP	ACC	CTC	G.P.	ΔAC	GAG	780
E		R																			E	212
TCA																					СТТТ	840
s		G			E					M	G					P	A		н		F	232
3	3	G	٠	. *			-	•			_	_			-							

GGGTTGCAGAGCAGCCTGGCCAGTGGTGAGACGGGCACAGGCTCTGCTGACCCGCCAGGG	900·
G L Q S S L A S G E T G T G S A D P P G	2,52
GGAGGGACAGGCTCTGCTGACCCGCCAGGGGGACCCCGCCCCGGGCTGACCCGAAGGGCC	960
GGT GSA DP PG GPR PG LT RRA	272
CCGGTAAAAGACACACCTGGACGAGCCCCCGCTGCTGACGCAGCTCCAGCAGGCCCCTCC	1020
PVK DTP GRAP AAD AA PA GPS	292
AGCTGCCTGGGCTGAGGTGTCTGGTGCCTGGAACAGACTTCCCTGTGGAGGATTCCTGCC	1080
sclg*	296
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CCCTTCTCTCCTGGGGAGCTGTCTGCATCCGCCACCCCTCCAACCACTGCCCTCAGCCC	1260
CCGACCTTATTTATTACCCTCCCCTCCCACACCCCCAATCTACCTGGTGATGATTTTAAG	1320
TTTGCGCGTGTCTTGGGTTGGGCTGGGGGGTTTCCCACATGCAGTGTCAGAGGGGCCGCC	1380
${\tt CGGTGGGGCTATCTCCGTTGCTATATTAATGGCAAGACTAAATGAAACCTAGGGCACGGC}$	1440
CTCCGAAGCTGCGTGTGGCCCCTTAGAGGTGAGCATCAGAGCCAGAGCAGTGAGGGGGAG	1500
ACTCACCCACCCTCTCCCTTCAGCTCTGGGAGGCAGGCGCAGTGCCCCCCCC	1560
ATGGGCTGGCCCAGGACCGCGGTGAAACCTGGGTCTGTTTAGTTTCTTTGGTTTTTGTA	1620
TGTTTGTTTTTTTGACACAGTCTCGCTTTGTTGCCCAGGCTGGGGTGCAGTGGCACGA	1680
TCGCGGCTCACTGCAACCTCCACCTCCGGGCTCAAGCGATTCTCTCACCTCAGCCTCCT	1740
GAGTAGGTGGGATTACAGATGCCCGCCACCACCACCAGTTAATTTTTGTATTTTTAGAAG	1800
AGATGGGGTTTCTCCATGTTGGCCAGGCTGGTCTTGAACTCCTGGTCTCAAGTGATCCGC	1860
CCGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGCACCCAATCCTATT	1920
AGGTTTCTTTGAATCCCCTCATGGCCTGCCTGGTTTTTGCTCAGCCTGTCTTCAGCTTGA	1980
GGAGCTGGGAAGCTCTGGTGGATGCTATGAACTCACTTGCTGAAGAGCAGCGTTCAGGTG	2040
CATCCCCAGCCAGGGCACGTGGCTCCCTCAGCCATGAATTCACTTCTCTTCAGGAGGTTT	2100
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TGAAGAGAGAACGTGTGTGTGTGTGTGTGATCACACCCTCCCATCCTTCCT	2220
CTGCCCCAAACCCCGGGTTCCTGGGTCTGGAAGGGCCTTCTCTCCAAGCTGGGAGCTCCT	2280
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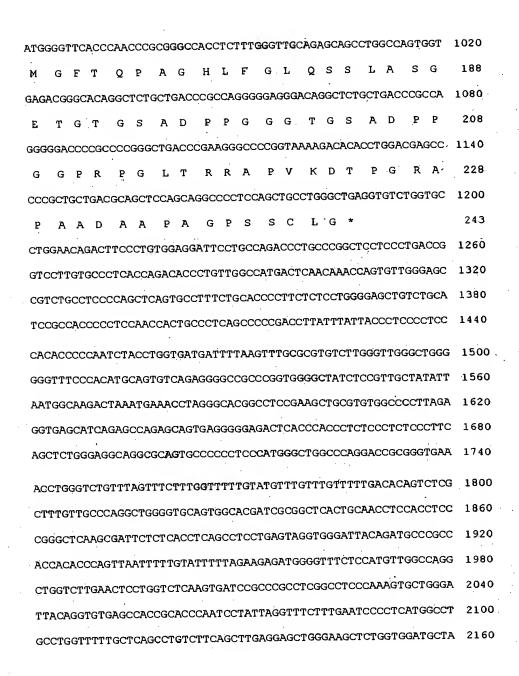
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CTCC	CTC	CTC	CCT	GT.	GGGG	CC'	rgt	CTG	GGT	GAA	GCC	ССТ	CTG'	TTC	CCG	AGG	ATC	GTC	CCA	120
ACC	CCZ	AGC	CGG	3TG	CTCC	CGA	3CC2	AТG	GCC	GAC	ACC	ATC'	TTC	GGC	AGC	GGĢ	AAT	GAT	CAG	180
		7						M	Α.	D	T.	I.	F	G	s	G	N	D	Q .	12
TGGG	TT	rgc	cc c i	TAP	GAC	cgg	CAG	СТТ	GCC	CTT	CGA	GCC	AAG	CTG	CAG	ACG	G Ç C'	TGG	TCC	240
W	v	С	P	Ŋ	D	R	Q	L	A	L	R	A	к	L	Q	T	G	W	s	32
GTGC	CAC	ACC	TAC	CAG	ACG	BAG	AAG	CAG	AGG	AGG.	AAG	CAG	CAC	etc	AGC	CCG	GCG	GAG	GTG	300
V	Н	T	Y	Q	T	E	ĸ.	Q	R	R	ĸ	Q	н	L	s	P	Α	E	V	52
GAG	3CC	ATC	C T G	CAG	GTC <i>I</i>	ATC	CAG	AGG	GCA	GAG	CGG	CTC	3 A C	ЗТС	CTG	GAG	CAG	CAG	AGA	360
E	A	I	Ĺ	Q	V	I	Q	R	A	E	R	L	D.	v	L	E	Q	Q	R	, 72 , .
ATC	GGG	CGG	CTG	3 T G	GAGO	CGG	CTG	GAG	ACC	ATG	AGG	CGG	AAT	зТG	ATG	GGG	AAC	GGC	CTG	420
I	G	R	L.	v	E	R	L	E	T	М	R.	R	N	V	M	G	N ,	; G	L.	92
TCC	CAG'	TGT	CTG	Ċ.T.C.	TGC	3GG(3AG	GTG	CTG	GGC	TTC	CTG	GGC	AGC	TCG	TCG	GTG'	TTC	TGC	480
s	Q	C '.	L	L	C	G	E.	V	Ļ	G :	F	L	G	s	s	s	ν.	F	С	112
AAA	3AC	TGC	AGG	AAG.	AAA	GTC'	rgc	ACC	AAA	TGT	GGG	ATC	GAG	GCC	TCC	CCT	GGC	CAG	AAG	540
К	D	C	R	K	ĸ	v	С	T	К	С	G	I	E	A	s	P	G	Q	K	132
CGG	ccc	CTG	TGG	CTG	TGT?	\AG	ATC'	TGC	AGT	'GAG	CAA	AGA	GAG	GTC	TGG	AAG	AGG'	TCG	GGG	600
R	P	L	W	L	С	K	. I	С	s	E	Q	R	E	V	W	K	Ř	s	G	152
GCC	rgg	TTC	TAC	AAA	GGG	CTC	c c c	AAG	TAT	ATC	ТТG	CCC	CTG	AAG	ACC	CCT	GGC	CGA	GCT	660
- A	W.	F	Y	K	G	L	P	K	Y	I	L	P	L	ĸ	P	P	G	R	A	172
GAT	GAC	ccc	CAC	TTC	CGA	CCT'	TTG	ccc	ACG	GAA	CCG	GCA	GAG	CGA	GAG	ccc	AGA	AGC	TCT	720
D	D	P	Н	F	\mathbf{R}_{\perp}	P	L	₽	T	E	P	A	E	R	E	P	R	s	s	192
GAGA	\CC	AGC	CGC	ATC'	TAC	ACG'	rgg	GCC	CGA	GGA	AGA	GTG	GTT'	TCC	Agt	GAC	AGT	GAC	AGT	780
E	T	s	R	I	Υ	T	M	A	Ř	G	·R	v	, v	s	s	D	s	D	s .	212
GACT	'CG	GAT	CTT	4GC	rcci	rccz	AGC	ста	GAG	GAC	AGA	CTC	ÇCA'	rcc	ACT	GGG	GTC	AGG	GAC	840
·D	s	D	L	S	s	s	s	L	E	D	R	L	P	s	T	G	v	R	D	232

CGGAAAGGCGACAAACCCTGGAAGGAGTCAGGTGGCAGCGTGGAGGCCCCCAGGATGGGG 900 . RKGD KP W K E S G G S V E A P R M G 252 TTCACCCAACCCGCGGGCCACCTCTTTGGGTTGCAGAGCAGCCTGGCCAGTGGTGAGACG 960 FTQP AG H L FG L Q S S L A S G E T 1020 GGCACAGGCTCTGCTGACCCGCCAGGGGGAGGGACAGGCTCTGCTGACCCGCCAGGGGGA GTGSADPPGGGTGSADPPGG 292 CCCCGCCCCGGGCTGACCCGAAGGGCCCCGGTAAAAGACACACCTGGACGAGCCCCCGCT 1080 PRPGLT RRAPV KD TPG RAPA 312 GCTGACGCAGCTCCAGCAGGCCCCTCCAGCTGCCTGGGCTGAGGTGTCTGGTGCCTGGAA 1140 325 ADAA PA G P S S C L G CAGACTTCCCTGTGGAGGATTCCTGCCAGACCCTGCCCGGCTCCTCCCTGACCGGTCCTT 12.00 GTGCCCTCACCAGACACCCTGTTGGCCATGACTCAACAAACCAGTGTTGGGAGCCGTCTG/ 1260 CCTCCCCAGCTCAGTGCCTTTCTGCACCCCTTCTCTCCTGGGGAGCTGTCTGCATCCGCC 1320 CCCAATCTACCTGGTGATGATTTTAAGTTTGCGCGTGTCTTGGGTTGGGCTGGGGGGGTTT 1440 CCCACATGCAGTGTCAGAGGGGCCGCCCGGTGGGGCTATCTCCGTTGCTATATTAATGGC 1500 AAGACTAAATGAAACCTAGGGCACGGCCTCCGAAGCTGCGTGTGGCCCCTTAGAGGTGAG 1560 CATCAGAGCCAGAGCAGTGAGGGGGAGACTCACCCACCCTCTCCCTTCCCTTCAGCTCT 1620 GGGAGGCAGGCGCAGTGCCCCCTCCCATGGGCTGGCCCAGGACCGCGGGTGAAACCTGG 1680 GTCTGTTTAGTTTCTTTGGTTTTTGTATGTTTTGTTTTTTTGACACAGTCTCGCTTTGT 1740 TGCCCAGGCTGGGGTGCAGTGGCACGATCGCGGCTCACTGCAACCTCCACCTCCCGGGCT 1800 CAAGCGATTCTCTCACCTCAGCCTCCTGAGTAGGTGGGATTACAGATGCCCGCCACCACA 1860 CCCAGTTAATTTTTGTATTTTTAGAAGAGATGGGGTTTCTCCATGTTGGCCAGGCTGGTC 1920 TTGAACTCCTGGTCTCAAGTGATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAG 1980

.

GTGTGAGCCACCGCACCCAATCCTATTAGGTTTCTTTGAATCCCCTCATGGCCTGCCT	2040
${\tt TTTTTGCTCAGCCTGTCTTCAGCTTGAGGAGCTGGGAAGCTCTGGTGGATGCTATGAACT}$	2100
CACTTGCTGAAGAGCAGCGTTCAGGTGCATCCCCAGCCAG	2160
ATGAATTCACTTCTCTCAGGAGGTTTGGCTTGGCATGAAAATACTTCATTCA	2220
GGCAAATGCTTCTGGAAAAACCCTTCCCTGAAGAGAGAAACGTGTGTGT	2280
ATCACACCCTCCCATCCTTCCTGCCTCCTGCCCCAAACCCCGGGTTCCTGGGTCTGGAAG	2340
GGCCTTCTCCCAAGCTGGGAGCTCCTGGGCCCCCACCATTCACTTTTTGTCCTTGCTGC	2400
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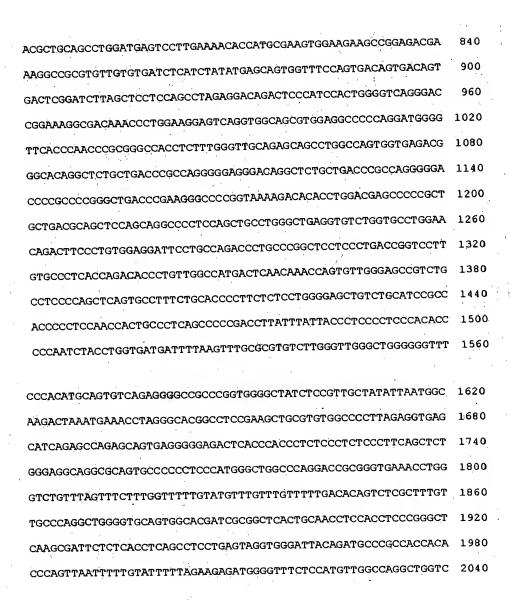
CH2.	
GGCTCCTCATCTGGAACACCTCGGGTCACCCCCGACAACGGTGGTGGGAGGGA	60
CTCCTCCTCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA	120
ACCCCAGCCGGGTGCTCCGAGCCATGGCCGACACCATCTTCGGCAGCGGGAATGATCAG	180
TGGGTTTGCCCCAATGACCGGCAGCTTGCCCTTCGAGCCAAGCACTGACTG	240
GAACAGGACCAACACTCCCTGGTCTTAAAGCACAGGTGGGCAGAGGCTGCAGACGGGC	300
TGGTCGGTGCACACCTACCAGACGGAGAAGCAGGAGGAAGCAGCACCTCAGCCCGGCG	360
GAGGTGGAGGCCATCCTGCAGGTCATCCAGAGGGCAGAGCGGCTCGACGTCCTGGAGCAG	420
CAGAGAATCGGGCGGCTGGTGGAGCCGCTGGAGACCATGAGGCGGAATGTGATGGGGAAC	480
M R R N V M G N	8
GGCCTGTCCCAGTGTCTGCTCTGCGGGGAGGTGCTGGGCTTCCTGGGCAGCTCGTCGGTG	540
G LSQ CL LC GEV LG FLG SS SV	28
TTCTGCAAAGACTGCAGGAAGAAAGTCTGCACCAAATGTGGGATCGAGGCCTCCCCTGGC	600
F C K D C R K K V C T K C G I E A S P G	48
CAGAAGCGGCCCCTGTGGCTGTAAGATCTGCAGTGAGCAAAGAGAGGTCTGGAAGAGG	660
Q K R P L W L C K I C S E Q R E V W K R	68
TCGGGGGCCTGGTTCTACAAAGGGCTCCCCAAGTATATCTTGCCCCTGAAGACCCCTGGC	720
THE REPORT OF THE PROPERTY OF	 88
S G A W F Y K G L P K I L L K L L L C K L L L C C CAGGCTGATGACCCCACTTCCGACCTTTGCCCACGGAACCGGCAGAGCGAGAGCCCAGA	780
	108
R A D D P H F R P L P T E P A E K E P K AGCTCTGAGACCAGCCGCATCTACACGTGGGCCCGAGGAAGAGTGGTTTCCAGTGACAGT	840
THE PCPVVSSDS	128
S S E T S R I Y T W A R G R V V S S D S GACAGTGACTCGGATCTTAGCTCCTCCAGCCTAGAGGACAGACTCCCATCCACTGGGGTC	900
	148
DSDSDLSSSSLEDKII	960
AGGGACCGGAAAGGCGACAAACCCTGGAAGGAGTCAGGTGGCAGCGTGGAGGCCCCCAGG	
R D R K G D K P W K E S G G S V E A P R	168



TGAACTCACTTGCTGAAGAGCAGCGTTCAGGTGCATCCCCAGCCAG	2220
${\tt TCAGCCATGAATTCACTTCTTCAGGAGGTTTGGCTTGGC$	2280
${\tt AGTATGGGCAAATGCTTCTGGAAAACCCTTCCCTGAAGAGAGAG$	2340
${\tt TCGGTGATCACACCCTCCCATCCTTCCTGCCTCCTGCCCCAAACCCCGGGTTCCTGGGTC}$	2400
${\tt TGGAAGGGCCTTCTCCCAAGCTGGGAGCTCCTGGGCCCCCACCATTCACTTTTTGTCCT}$	2460
${\tt TGCTGCTGGCAAACAGTAAAGAAACTCACTTTCCCTGTGGCACGTTATGCTTCAGAATTA}$	2520
AAACAATGAAGATTAAAA	25.3.8

CL3:

GGCTCCTCATCTGGAACACCTCGGGTCACCCCCGACAACGGTGGTGGGAGGGA	
CTCCTCCTCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA 120	
ACCCCCAGCCGGGTGCTCCGAGCCATGGCCGACACCATCTTCGGCAGCGGGAATGATCAG 180	
M ADTIFGS GNDQ 12	į.
TGGGTTTGCCCCAATGACCGGCAGCTTGCCCTTCGAGCCAAGCTGCAGACGGGCTGGTCC 240	
WVCPNDRQLALRAKLQTGWS 32	
GTGCACACCTACCAGACGGAGGAAGCAGAGGAAGCAGCACCTCAGCCCGGGGAAGCAGCACCTCAGCCGGGGAGAAGCAGCACCTCAGCCGGGGAGAAGCAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCACCTCAGCCGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCAGCACCTCAGCCGGGAGGAAGCACCTCAGCCGGGAGGAAGCACCTCAGCCGGAGGAAGCACCTCAGCCGGAGGAAGCACCTCAGCCGGAGGAAGCACCTCAGCCACCTCAGCCGGAGGAAGCACCACCTCAGCCGGAGGAAGCACCTCAGCACCTCAGCCGGAGGAAGCACCTCAGCCACCTCAGCACCTCAGCCACCTCAGCACCACCTCAGCACCTCAGCACCTCAGCACCTCAGCCACCTCAGCACCACCTCAGCACCTCAGCACCTCAGCACCTCAGCACCTCAGCACCTCAGCACCTCAGCACCTCAGCACCTCAGCACCACCTCAGCACCTCAGCACCACCTCAGCACCTCAGCACCACCTCAGCACCTCAGCACCACCTCAGCACCACCTCACCACCTCAGCACCACCTCAGCACCACCACCTCAGCACCACCCTCAGCACACCACCACCACCACCACCACCACCACCACCACCA	
VHTY QT EK QRRK Q H L S P A E V 52	
GAGGCCATCCTGCAGGTCATCCAGAGGGCAGAGGCGGCTCGACGTCCTGGAGCAGCAGAGA 360	10 10 1
EAILQVIQRAERLDVLEQQR 72	
	• *
ATCGGGCGGCTGGAGCCGCTGGAGACCATGAGGCGGAATGTGATGGGGAACGGCCTG 420	3
IGRL VE RLETMR R N V M G N G L 9	2 .
TCCCAGTGTCTGCGGGGAGGTGCTGGGCTTCCTGGGCAGCTCGTCGGTGTTCTGC 48	0
	2
SQCL LC GE V L G F L G 3 5 5	
AAAGACTGCAGGAAGAAAGTCTGCACCAAATGTGGGATCGAGGCCTCCCCTGGCCAGAAG 54	0
K D C R K K V C T K C G I E A S P G Q K 13	12
	00
RPLW LC KI CSEQ REVW KR SG 15	2
	6 0
	12
AWFYKGLPKYILPLKIIC	20
GATGACCCCCACTTCCGACCTTTGCCCCACGGAACCGGCAGAGCGAGAGCCCACACACCCCACACACCCCACACACCCCACACACCCCACA	
D D P H F R P L P T E P A E A E L L A	92
GAGACCAGCCGCATCTACACGTGGGCCCGAGGAAGAGTCGTAGGAAGAAGTGCTGATCC 7	80
	10



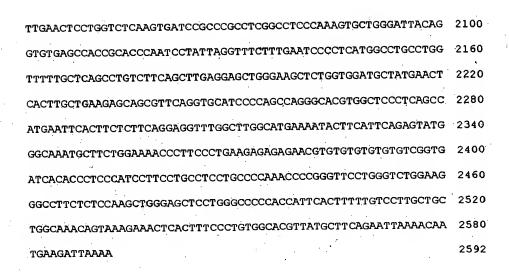
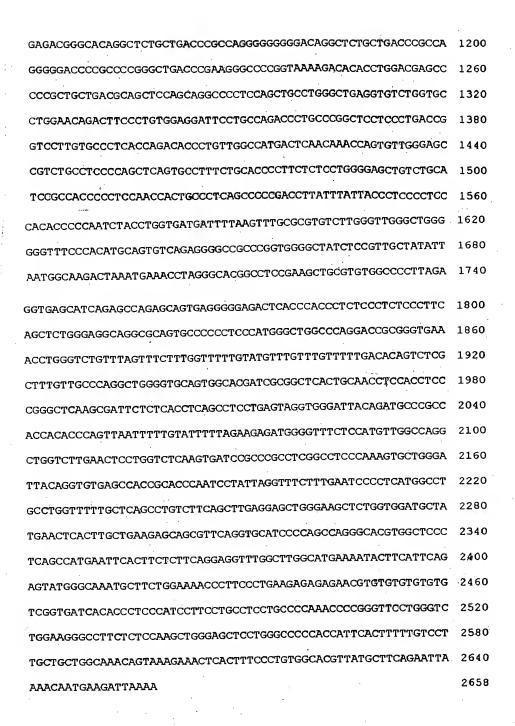


Fig. 5

CL4:

GGCTCCTCATCTGGAACACCTCGGGTCACCCCCGACAACGGTGGTGGGAGGGA	60
$\tt CTCCTCCTCGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA$	120
ACCCCCAGCCGGGTGCTCCGAGCCATGGCCGACACCATCTTCGGCAGCGGGAATGATCAG	180
TGGGTTTGCCCCAATGACCGGCAGCTTGCCCTTCGAGCCAAGCACTGACTG	240
GAACAGGACCAACACAGTCCCTGGTCTTAAAGCACAGGTGGGCAGAGGGCTGCAGACGGGC	300
TGGTCCGTGCACACCTACCAGACGGAGAAGCAGGAGGAAGCAGCACCTCAGCCCGGCG	360
GAGGTGGAGGCCATCCTGCAGGTCATCCAGAGGGCAGAGCGGCTCGACGTCCTGGAGCAG	420
CAGAGAATCGGGCGGCTGGTGGAGCGGCTGGAGACCATGAGGCGGAATGTGATGGGGAAC	480
M R R N V M G N	-8
GGCCTGTCCCAGTGTCTGCTGCGGGGAGGTGCTGGGCTTCCTGGGCAGCTCGTCGGTG	540
G L S Q C L L C G E V L G F L G S S S V	2,8
TTCTGCAAAGACTGCAGGAAGAAAGTCTGCACCAAATGTGGGATCGAGGCCTCCCCTGGC	600
F C K D C R K K V C T K C G I E A S P G	4.8
CAGAAGCGGCCCCTGTGGCTGTAAGATCTGCAGTGAGCAAAGAGAGGTCTGGAAGAGG	660
Q K R P L W L C K I C S E Q R E V W K R	68
TCGGGGGCCTGGTTCTACAAAGGGCTCCCCAAGTATATCTTGCCCCTGAAGACCCCTGGC	720
S G A W F Y K G L P K Y I L P L K T P G	88
CGAGCTGATGACCCCCACTTCCGACCTTTGCCCACGGAACCGGCAGAGCCGAGAGCCCAGA	780
R ADDPHFRPLPTEPAEREPR	108
AGCTCTGAGACCAGCCGCATCTACACGTGGGCCCGAGGAAGAAGTCGTAGGAAGAAAGTGC	840
S S E T S R I Y T W A R G R V V G R K C	128
TGATCCACGCTGCAGCCTGGATGAGTCCTTGAAAACACCATGCGAAGTGGAAGAAGCCGG	900
${\tt AGACGAAAGGCCGCGTGTTGTGTGATCTCATCTATATGAGCAGTGGTTTCCAGTGACAGT}$	` 960
GACAGTGACTCGGATCTTAGCTCCTCCAGCCTAGAGGACAGACTCCCATCCACTGGGGTC	1020
AGGGACCGGAAAGGCGACAAACCCTGGAAGGAGTCAGGTGGCAGCGTGGAGGCCCCCAGG	1080
ATGGGGTTCACCCAACCCGCGGCCACCTCTTTGGGTTGCAGAGCAGCCTGGCCAGTGGT	1140



F	Fig. 6		· · · · · · · · · · · · · · · · · · ·		:	
		15 16 30 31 45	5 46 60	61 75	. 76 90	
						0
I NOCZ	GGCTCCTCATCTGGA	I NOCZ	GGGAGGGAGAGCGGC	rccrccrccreer	GGGGCCTGTCTGGGT	90
3 101	GGCTCCTCATCTGGA	2 NEI GECTCCTCATCTGGA ACACCTCGGGTCACC CCCGACAACGGTGGT GGGAGGAGAGCGGC CTCCTCCTCCTGGT GGGGCCTGTCTGGGT	GGGAGGGAGAGCGGC (STCCTCCTGGT	GGGGCCTGTCTGGGT	90
4 LC2	GGCTCCTCATCTGGA	4 LC2 GECTCCTCATCTGGA ACACCTCGGGTCACC CCCGACAACGGTGGT GGGAGGGAGAGGGGC CTCCTCCTCCTGCTGGT GGGGCCTGTCTGGGT	GGGAGGAGAGCGGC	crecrecreer	GGGGCCTGTCTGGGT	. 06
5 1.03	GGCTCCTCATCTGGA	5 LC3 GGCTCCTCATCTGGA ACACCTCGGGTCACC CCCGACAACGGTGGT GGGAGGGAGAGCGGC CTCCTCCTCCTGGT GGGGCCTGTCTGGGT	GGGAGGGAGAGCGGC	crecrecreer	GGGGCCTGTCTGGGT	06
6 LC4	GGCTCCTCATCTGGA	6 LC4 GGCTCCTCATCTGGA ACACCTCGGGTCACC CCCGACAACGGTGGT GGGAGGAGGAGGGGG CTCCTCCTCCTGGT GGGGCCTGTCTGGGT	GGGAGGGAGAGCGGC	crccrccrccreer	GGGGCCTGTCTGGGT	06
	*					
	105	106 120 121 135	136	150 151 165	165 166 180	
1 200% I			s crcceaeccareecc	GACACCATCTTCGGC	AGCGGGAATGATCAG	65
2 NI.1	2 NI.1 GAAGČCCCTCTGTTC	CCGAGGATC	S CTCCGAGCCATGGCC	GACACCATCTTCGGC	AGCGGGAATGATCAG	180
3 LC1	GAAGCCCCTCTGTTC	3 LC1 GAAGCCCTCTGTTC CCGAGGATCGTCCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG	s crcceaeccareecc	GACACCATCTTCGGC	AGCGGGAATGATCAG	180
4 LC2	GAAGCCCCTCTGTTC	4 LC2 GAAGCCCTCTGTTC CCGAGGATCGTCCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG	F CTCCGAGCCATGGCC	GACACCATCTTCGGC	AGCGGGAATGATCAG	180
5 1.03	S LC3 GAAGCCCCTCTGTTC	CCGAGGATCGTCCCA ACCCCGAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG	3 CTCCGAGCCATGGCC	GACACCATCTTCGGC	AGCGGGAATĠATCAG	180
6 LC4	GAAGCCCTCTGTTC	6 LC4 GAAGCCCTCTGTIC CCGAGGAICGICCCA ACCCCCAGCCGGGIG CICCGAGCCAIGGCC GACACCAICTICGGC AGCGGGAAIGAICAG	s crcceaeccareecc	GACACCATCTTCGGC	AGCGGGAATGATCAG	180

	108	223	223	270	223	270		179	294	294	360	294	360			269	384
270		-					360								450		
	1			TGGTCT		GAACAGGACCAACAC AGTCCCTGGTCTTAA		AGCCCG	AGCCG	CAGAGGAGGAAGCAG CACCTCAGCCCGGCG	AGCCCG	AGCCCG	AGCCCG			3GAGCGG	GAGCGG
255 256				AGTCC		AGTCCC	346	CACCTC	CACCTO	CACCTC	CACCTC	CACCTC	CACCTC		436	CTGGT	CTGGTG
				CAACAC		AACAC	345	AAGCAG	AGCAG	AGCAG	AGCAG	AGCAG	AGCAG		435	990995	990999
241				CAGGAC		SAGGACC		AGGAGG/	4GGAGGP	4GGAGG?	4GGAGG	4GGAGG	AGGAGG	.*•	:	AGAATC	4GAATC
2.40 2	į			GA.	į	GAA	331	CAG	CAG.	CAG	CAG	CAG	CAG.		4.20 421	CAG	CAG
7				scacagcagi		CACAGCAGT	330	ACGGAGAAG	TEGTCCGTGCACACC TACCAGACGGAGAAG CAGAGGAAGGAAGCAG CACCTCAGCCCGGCG	ACGGAGAAG	ACGGAGAAG	ACGGAGAAG	ACGGAGAAG		4.2	CTGGAGCAG	CTGGAGCAG
225 226				TGACTO		rgactg	315 316	TACCAG	TACCAG	TACCAG	TACCAG	TACCAG	TACCAG		406	GACGTC	GACGTC
228	CCAAGC	ccaage	ccaagc	CCAAGCAC	CAAGC	CAAGCAC	315	TGCACACC	GCACACC	GCACACC	GCACACC	GCACACC	recacacc	-	405	AGCGGCTC	AGCGGCTC
210 211	CTTCGAG	CTTCGAGCCAAGC-	CTTCGAG	CTTCGAG	CTTCGAGCCAAGC	CTTCGAGO	300 301	TGGTCCG	regrees	TGGTCCGI	TGGTCGGT	TGGTCCGI	TGGTCCG1		391	AGGGCAG	AGGGCAGZ
21	SCAGCTTGCC	GACCGGCAGCTTGCC	GACCGGCAGCTIGCC CTTCGAGCCAAGC	CAGCTTGCC	CAGCTTGCC	CAGCTTGCC	300	-TGCAGACGGGC TGGTCCGTGCACACC TACCAGACGAGAAG CAGAGGAAGCAG CACCTCAGCCGGCG	-TGCAGACGGGC	TGCAGACGGGC TGGTCCGTGCACACC TACCAGACGGAGAAG	CAGACGGGC	TGCAGACGGGC TGGTCCGTGCACACC TACCAGACGAGAAG CAGAGGAGGAAGCAG CACCTCAGCCGGCG	CAGACGGGC		390	GTCATCCAG	GTCATCCAG
195 196	GACCGG			GACCGG	GACCGG	GACCGG	286	TG	TG	TG	AGGCTG	TG	AGGCTG		376	CTGCAG	CTGCAG
195	1 NOC2 TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGC-	recoccaat	3 LC1 TGGGTTTGCCCCAAT	4 LC2 TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGCAC TGACTGCACAGCAGT GAACAGGACCAACAC AGTCCCTGGTCTTAA	S LC3 TGGGTTTGCCCCAAT GACCGGCAGCTTGCC	6 LC4 TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGCAC TGACTGCACAGCAGT	285			1,,	4 LC2 AGCACAGGTGGGCAG AGGCTGCAGACGGGC TGGTCGGTGCACACC TACCAGACGAGAAG CAGAGGAAGGAAGCAG CACCTCAGCCGGCG	*	6 LC4 AGCACAGGTGGGCAG AGGCTGCAGACGGGC TGGTCCGTGCACACC TACCAGACGAAAG CAGAGGAAGGAAGCAG CACCTCAGCCGGCG		375	1 NOC2 GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGCGGCTC GACGTCCTGGAGCAG CAGAGAATCGGGCGG CTGGTGGAGCGGCTG	2 NLI GAGGIGGAGGCCAIC CIGCAGGICAICCAG AGGGCAGAGGGGCIC GACGICCIGGAGCAG CAGAGAAICGGGGGG CIGGIGGAGCGGCTG
181	TGGGTT	2 NL1 TGGGTTTGCC	TGGGTTI	TGGGTTT	TGGGTŤŢ	TGGGTTT	27 İ	1			AGCACAG		AGCACAG		361	GAGGTGC	GAGGTGG
	1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		Φ.	1 NOC2	2 NLI

. 089

5 LC3 TTCTGCAAAGACTGC AGGAAGAAGTCTGC ACCAAATGTGGGATC GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG TGGCTGTAAGATC 564

4 LC2 TTCTGCAAAGACTGC AGGAAGAAAGTCTGC ACCAAATGTGGGATC GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG TGGCTGTGAAGATC

6 LC4 TICTGCAAAGACTGC AGGAAGAAAGTCTGC ACCAAATGTGGGAIC GAGGCCTCCCCTGGC CAGAAGGGGCCCCTG TGGCTGTAAGAIC

GAGGTGGAGGCCATC		CTGCAGGTCATCCAG	AGGGCAGAGCGGCTC	3 LC1 GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGGGCTC GACGTCCTGGAGCAG CAGAGAATCGGGCGG CTGGTGGAGCGGCTG	JAGAGAATCGGGCGG JAGAGAATCGGGGCGG	CTGGTGGAGCGGCTG CTGGTGGAGCGGCTG	384
4 LC2 GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGGGCTC GACGTCCTGGAGCAG CAGAGAATCGGGCGG CTGGTGGAGCGGCTG	: CTGCAGGTCATCCAG P	e, eC	GGGCAGAGCGGCTC	GACGICCIGGAGCAG (CAGAGAATCGGGCGG	CTGGTGGAGCGGCTG	384
6 LC4 GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGGGGCTC GACGTCCTGGAGGAG CAGAGAATCGGGCGG CTGGTGGAGCGGCTG	; crgcaggrcarccag ag	AG	GGCAGAGCGGCTC	GACGTCCTGGAGCAG	CAGAGAATCGGGCGG	CTGGTGGAGCGGCTG	450
451 465 466 480 481		4.8	•	495 496 510 511	511 525	526 540	
1 NOC2 GAGACCATGAGGGGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTCTGCGGGAAG GTGCTGGGCTTCCTG GGCAGCTCGTCGGTG	3 AATGTGATGGGGAAC GG	ğ	crerccaeter	CTGCTCTGCGGGGAG	Grectectres	GGCAGCTCGTCGGTG	359
2 NL1 GAGACCATGAGGCGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTCTGCGGGGAG GTGCTGGGCTTCCTG GGCAGCTCGTCGTG	AATGTGATGGGGAAC GGC	ပ္ပ်	crerccaerer	CTGCTCTGCGGGAG	grecreeecrrccre	GGCAGCTCGTCGGTG	474
3 LC1 GAGACCATGAGGCGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTCTGCGGGGAG GTGCTGGGCTTCCTG GGCAGCTCGTCGGTG	* AATGTGATGGGGAAC GGC	99	CTGTCCCAGTGT	CTGCTCTGCGGGGAG	grecresectrects	GGCAGCTCGTCGGTG	474
4 LC2 GAGACCATGAGGGGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTCTGCGGGGAG GTGCTGGGCTTCCTG GGCAGCTCGTCGGTG	FATGTGATGGGGAAC GGC	. ပို့ ဗို	CTGTCCCAGTGT	crecrcrecesese	grecreeecrrccre	GGCAGCTCGTCGGTG	540
5 LC3 GAGACCATGAGGCGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTCTGCGGGGAG GTGCTGGGCTTCCTG GGCAGCTCGTCGTG	AATGTGATGGGGAAC GGC	999	CTGTCCCAGTGT	CTGCTCTGCGGGGAG (srecreeectrecre	GGCAGCTCGTCGGTG	474
6 LC4 GAGACCATGAGGCGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTCTGCGGGGAG GTGCTGGGGCTTCCTG GGCAGCTCGTCGTG	AATGTGATGGGGAAC GGC	ပ်	CTGTCCCAGTGT	CTGCTCTGCGGGAG (FIGCTGGGCTTCCTG	GGCAGCTCGTCGGTG	540
541 555 556 570 571	556	571	585	586	600 601 615	616 630	
1 NOC2 TICTGCAAAGACTGC AGGAAGAAAGTCTGC ACCAAATGTGGGATC GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG TGGCTGTGTAAGATC	3 AGGAAGAAAGTCTGC ACC	ACC	AAATGTGGGATC	GAGGCCTCCCCTGGC	CAGAAGCGGCCCCTG	TGGCTGTGTAAGATC	449
2 NL1 TTCTGCAAAGACTGC AGGAAG	AGGAAG	į	1			r	495
3 LC1 TTCTGCAAAGACTGC AGGAAGAAAGTCTGC ACCAAATGTGGGATC GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG TGGCTGTGTAAGATC	; AGGAAGAAAGTCTGC ACCA	ACCA	AATGTGGGATC	GAGGCCTCCCCTGGC (CAGAAGCGGCCCCTG	TGGCTGTGTAAGATC	

	631 645	646	660 661 675	675 676 690 691	691 705 706	720
1 NOC2	TGCAGTGAGCAAAGA	GAGGTCTGGAAGAGG	TCGGGGGCCTGGTTC	TACAAAGGGCTCCCC F	1 NOC2 TGCAGTGAGCAAAGA GAGGTCTGGAAGAGG TCGGGGGCCTGGTTC TACAAAGGGCTCCCC AAGTATATCTTGCCC CTGAAGACCCCTGGC	ecc 539
2 NL1		GTCTGGAAGAGG	TCGGGGGCCTGGTTC	TACAAAGGGCTCCCC A	-GICTGGAAGAGG TCGGGGGCCTGGTTC TACAAAGGGCTCCCC AAGTATATCTTGCCC CTGAAGACCCCTGGC	GC 567
3 LC1	TGCAGTGAGCAAAGA	GAGGTCTGGAAGAGG	TCGGGGGCCTGGTTC	TACAAAGGGCTCCCC A	TOGGGGGCCTGGTTC TACAAAGGGCTCCCC AAGTATATCTTGCCC CTGAAGACCCCTGGC	GC 654
4 LC2		GAGGTCTGGAAGAGG	TCGGGGGCCTGGTTC	TACAAAGGGCTCCCC A	TACAAAGGGCTCCCC AAGTATATCTTGCCC CTGAAGACCCCTGGC	3GC 720
5 1,03	5 LC3 IGCAGTGAGGAAAGA GAGGTCTGGAAGAGG TCGGGGGCCTGGTTC	GAGGTCTGGAAGAGG	TCGGGGGCCTGGTTC	TACAAAGGGCTCCCC A	TACAAAGGGCTCCCC AAGTATATCTTGCCC CTGAAGACCCCTGGC	1GC 654
6 LC4	TGCAGTGAGCAAAGA	GAGGTCTGGAAGAGG	TCGGGGGCCTGGTTC	TACAAAGGGCTCCCC P	6 LC4 TGCAGTGAGCAAAGA GAGGTCTGGAAGAGG TCGGGGCCTGGTTC TACAAAGGGCTCCCC AAGTATATCTTGCCC CTGAAGACCCCTGGC	3GC 720
	721	736	750 751 7.65	5 766 780 781	795 796	810
1 NOC2	GCTGATGAC	CACTICGGACCITIG	CCCACGGAACCGGCA	GAGCGAGAGCCCAGA	CCC CACTICCGACCTITG CCCACGGAACCGGCA GAGCGAGAGCCCAGA AGCTCTGAGACCAGC CGCAICTACACGTGG	rgg 629
2 NL1	CGAGCTGATGAGCCC	CAGTTCCGACCTTGG	CCCACGGAACCGGCA	GAGCGAGAGCCCAGA A	CAGITCCGACCTIGG CCCACGGAACCGGCA GAGCGAGAGCCCAGA AGCICIGAGACCAGC CGCAICIACACGIGG	rgg 657
3 LC1	LC1 CGAGCTGATGACCCC	CACTICCGACCTITG	CCCACGGAACCGGCA	GAGCGAGAGCCCAGA P	CCCACGGAACCGGCA QAGCGAGAGCCCAGA AGCTCTGAGACCAGC CGCATCTACACGTGG	rgG 744
4 1.02	CGAGCTGATGACCCC	CGAGCTGATGACCC CACTTCCGACCTTTG		GAGCGAGAGCCCAGA A	CCCACGGAACCGGCCA GAGCGAGAGCCCAGA AGCTCTGAGACCAGC CGCATCTACACGTGG	rgG 810
5 1.03	CGAGCTGATGACCCC	CACTICCGACCTITG		GAGCGAGAGCCCAGA	CCCACGGAACCGGCA GAGCGAGAGCCCAGA AGCTCTGAGACCAGC CGCATCTACACGTGG	rgG 744
6 LC4	6 LC4 CGAGCTGATGACCCC	CACTTCCGACCTTTG		GAGCGAGAGCCCAGA	CCCACGGAACCGGCA GAGCGAGAGCCCAGA AGCTCTGAGACCAGC CGCATCTACACGTGG	rgg 810
	811 825	826 840	841 855	5 856 870	871 885 886	006
1 NOC2	1 NOC2 GCCCGAGGAAGAGT-					643
2 NL1	GCCCGAGGAAGAGT-					671
3 LC1	3 LC1 GCCCGAGGAAGAGT-					758

4	LC2	LC2 GCCCGAGGAAGAGT-						824
5 1	[C3	S LC3 GCCCGAGGAAGAGTC GTAGGAAGAAAGTGC TGATCCACGCTGCAG CCTGGATGAGTCCTT GAAAACACCCATGCGA AGTGGAAGAAGCGCGG	GTAGGAAGAAGTGC	TGATCCACGCTGCAG	CCTGGATGAGTCCTT	GAAAACACCATGCGA	AGTGGAAGAAGCCGG	834
6 1	5	6 LC4 GCCCGAGGAAGAGGTC GTAGGAAAGTGC TGATCCACGCTGCAG CCTGGATGAGTCCTT GAAAACACCCATGCGA AGTGGAAGAAGCGCGG	GTAGGAAGAAAGTGC	rearccacecrecae	CCTGGATGAGTCCTT	GAAAACACCATGCGA	AGTGGAAGAAGCCGG	900
			·					
		901 915	915 916 930	930 931 94	945 946 960	960 961 978	978 976 990	
-	1 NOC2			9	-G GTTTCCAGTGACAGT GACAGTGACTCGGAT CTTAGCTCCTCCAGC	GACAGTGACTCGGAT	CTTAGCTCCTCCAGC	689
2	NL1			9	GTTTCCAGTGACAGT GACAGTGGAT CTTAGCTCCTCCAGC	GACAGTGACTCGGAT	CTTAGCTCCTCCAGC	717
3 LC1	ij			9	GTTTCCAĞTGACAGT GACAGTGACTCGGAT	GACAGTGACTCGGAT	CTTAGCTCCTCCAGC	804
4	4 LC2			9	G GTTTCCAGTGACAGT GACAGTGACTCGGAT CTTAGCTCCTCCAGC	GACAGTGACTCGĞAT	CTTAGCTCCTCCAGC	870
2 1	S	5 LC3 AGACGAAAGGCCGCG TGTTGTGTGTCTCA TCTATATGAGCAGTG GTTTCCAGTGACAGT GACAGTGACTCGGAT CTTAGCTCCTCCAGC	TGTTGTGTGATCTCA	TCTATATGAGCAGTG	GTTTCCAGTGACAGT	GACAGTGACTCGGAT	CTTAGCTCCTCCAGC	924
9	5	6 LC4 AGACGAAAGGCCGCG TGTTGTGTGATCTCA TCTATATGAGCAGTG GTTTCCAGTGACAGT GACAGTGACTCGGAT CTTAGCTCCTCCAGC	TGTTGTGTGATCTCA	TCTATATGAGCAGTG	GTTTCCAGTGACAGT	GACAGTGACTCGGAT	CTTAGCTCCTCCAGC	990
						•		
		1005	1005 1006 1020	1020 1021 1035	1035 1036 1050	1050 1051 1065	1066 1080	
Z	10C2	1 NOC2 CTAGAGGACAGACTC CCATCCACTGGGGTC AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC GTGGAGGCCCCCAGG	CCATCCACTGGGGTC	AGGGACCGGAAAGGC	GACAAACCCTGGAAG	GAGTCAGGTGGCAGC	GTGGAGGCCCCCAGG	779
2	[1]	2 NL1 CTAGAGGACAGACTC CCATCCACTGGGGTC AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC GTGGAGGCCCCCAGG	CCATCCACTGGGGTC	AGGGACCGGAAAGGC	GACAAACCCTGGAAG	GAGTCAGGTGGCAGC	GTGGAGGCCCCCAGG	807
3.1	12	CTAGAGGACAGACTC CCATCCACTGGGGTC AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC GTGGAGGCCCCCAGG	CCATCCACTGGGGTC	AGGGACCGGAAAGGC	GACAAACCCTGGAAG	GAGTCAGGTGGCAGC	GTGGAGGCCCCCAGG	894
. T	rc5		CCATCCACTGGGGTC	AGGGACCGGRAAGGC	CTAGAGGACAGACTC CCATCCACTGGGGTC AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC GTGGAGGCCCCAAG	GAGTCAGGTGGCAGC	GTGGAGGCCCCAGG	960

1014	1080		847	168	984	1050	1104	1170
GTGGAGGCCCCCAGG		1155 1156 1170	1	TCTGCTGACCCGCCA	TCTGCTGACCCGCCA	TCTGCTGACCCGCCA	TCTGCTGACCCGCCA	
GAGTCAGGTGGCAGC	GAGTCAGGTGGCAGC	1140 1141 1155	GAGACGGG	GAGACGGGCACAGGC	GAGACGGGCACAGGC	GAGACGGGCACAGGC	GAGACGGGCACAGGC	GAGACGGGCACAGGC
GACAAACCCTGGAAG	GACAAACCCTGGAAG	1125 1126 1140	AGCCTGGCCAGTGGT	AGCCTGGCCAGTGGT	AGCCTGGCCAGTGGT	AGCCTGGCCAGTGGT	AGCCTGGCCAGTGGT	AGCCTGGCCAGTGGT
AGGGACCGGAAAGGC	AGGGACCGGAAAGGC	1110 1111 1125	TCTGGGTGCCAGAGC	TTTGGGTTGCAGAGC	TTTGGGTTGCAGAGC	TTTGGGTTGCAGAGC	TTTGGGTTGCAGAGC	TTTGGGTTGCAGAGC
CCATCCACTGGGGTC	CCATCCACTGGGGTC	095 1096 1110	CCGCCGGGCCACCTC	CCCGCGGGCCACCTC	CCCGCGGGCCACCTC	CCCGCGGGCCACCTC	CCCGCGGGCCACCTC	CCCGCGGGGCCACCTC
S LC3 CTAGAGGACAGACTC CCATCCACTGGGGTC AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC GTGGAGGCCCCCAAG	CTAGAGGACAGACTC CCATCCACTGGGGTC AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC GTGGAGGCCCCCAAG	1081 1095	1_NOC2 ATGGGGTTCACCCAC CCGCCGGGCCACCTC TCTGGGTGCCAGAGC AGCCTGGCCAGTGGT GAGACGGG	2 NL1 ATGGGGTTCACCCAA CCCGCGGGCCACCTC TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT GAGACGGGCACAGGC TCTGCTGACCGGCCA	3 LC1 ATGGGGTTCACCCAA CCCGCGGGCCACCTC TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT GAGACGGGCACAGGC TCTGCTGACCGGCCA	ATGGGGTTCACCCAA CCCGCGGGCCACCTC TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT GAGACGGGCACAGGC TCTGCTGACCGGCCA	S LC3 ATGGGGTTCACCCAA CCCGCGGGCCACCTC TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT GAGACGGGCACAGGC TCTGCTGACCGGCCA	6 LC4 ATGGGGTTCACCCAA CCCGCGGGCCACCTC TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT GAGACGGGCACAGGC TCTGCTGACCGGCCA
5 LC3	6 LC4		1 NOC2	2.NL1	3 LC1	4 LC2	5 LC3	6 LC4

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	1171 118	1185 1186 1200	1200 1201 .1215	1215 1216 1230	1230 1231 1245	1245 1246 1260	
NOC2	NOC2GACAGGC TCTGCTGACCCGCCA GGGGACCCCGCCC GGGCTGACCCGAAGG GCCCGGTAAAAGAC ACACCTGGACGACC	TCTGCTGACCCGCCA	GGGGACCCCGCCCC	GGGCTGACCCGAAGG	GCCCCGGTAAAAGAC	ACACCTGGACGAGCC	929
NL1	NL1 GGGGGAGGGACAGGC TCTGCTGACCCGCCA GGGGGACCCCGCCG GGGCTGACCCGAAGG GCCCGGGTAAAAGAC ACACCTGGACGAGCC	TCTGCTGACCCGCCA	GGGGACCCCGCCCC	GGGCTGACCCGAAGG	GCCCCGGTAAAAGAC	ACACCTGGACGAGCC	987
rc1	LCI GGGGGAGGGACAGGC TCTGCTGACCCGCCA GGGGGACCCCGCCC GGGCTGACCCGAAGG GCCCCGGTAAAAGAC ACACCTGGACGAGCC	TCTGCTGACCCGCCA	GGGGGACCCCGCCCC	GGGCTGACCCGAAGG	GCCCCGGTAAAAAACAC		1074
LC2	LC2 GGGGGAGGGACAGGC TCTGCTGACCCGCCA GGGGGACCCCGCCC GGGCTGACCCGGAAGG GCCCCGGTAAAAGAC ACACCTGGACGAGCC	TCTGCTGACCCGCCA	GGGGGACCCCGCCCC	GGGCTGACCCGAAGG	GCCCCGGTAAAAGAC	ACACCTGGACGAGCC	1140
1,03	LC3 GGGGGAGGACAGGC TCTGCTGACCCGCCA GGGGACCCCGCCC GGGCTGACCCGAAGG GCCCGGTAAAAGAC ACACCTGGACGAGCC	TCTGCTGACCCGCCA	GGGGACCCCGCCCC	GGGCTGACCCGAAGG	GCCCCGGTAAAAGAC	ACACCTGGACGAGCC	1194
LC4	LC4 GGGGGGGGGACAGGC TCTGCTGACCCGCCA GGGGGACCCCGCCC GGGCTGACCCGAAGG GCCCGGTAAAAGAC ACACCTGGACGAGCC	TCTGCTGACCCGCCA	GGGGACCCCGCCCC	GGGCTGACCCGAAGG	GCCCCGGTAAAAGAC	ACACCTGGACGAGCC	1260

3 LC1 CGTCTGCCTCCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCTCT GGGGAGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCTCAG 1344

1 NOC2 CGTCTGCCTCCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCTCT GGGGAGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCTCAG 1199 2 NL1 GGICTGCCTCCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCTCT GGGGAGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCCTCAG 1257

	61		4	0	4	. 0		6(7	4	0	4	0	
	1019	1017	1164	1230	1284	1350	_	1109	116	1254	1320	1374	1440	
1350	TCCT	CCT	ICCL	rcci	CCT	CCT	1440	GAGC	3AGC	3AGC	3AGC	3AGC	3AGC	-
	\GGAT	GGAT	GGAT	GGAT	GGATT	GGAT		TTGG	TTGG	TTGG	TTGG	TTGG	TTGG	
336	1 NOC2 CCCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCTGGGG TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	2 NL1 CCCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	3 LC1 CCGGTGCTGAGGCA GCTCCAGCAGGCCCC TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	LC2 COCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCGCG TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	5 LC3 CCCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	6 LC4 CCCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	426	NOC2 GCCAGACCCTGCCCG GCTCCTCCTGACCG GTCCTTGTGCCCTCA CCAGACACCCTGTTG GCCATGACTAACAA ACCAGTGTTGGGAGC	2 NL1 GCCAGACCCTGCCCG GCTCCTCGACCG GTCCTTGTGCCTCA CCAGACACCCTGTTG GCCATGACTCAACAA ACCAGTGTTGGGAGC 1167	3 LC1 GCCAGACCCTGCCCG GCTCCTCCTGACCG GTCCTTGTGCCCTCA CCAGACACCCTGTTG GCCATGACTCAACAA ACCAGTGTTGGGAGC	4 LC2 GCCAGACCCTGCCCG GCTCCTCGACCG GTCCTTGTGCCCTCA CCAGACACCCTGTTG GCCATGACTCAACAA ACCAGTGTTGGGAGC	LC3 GCCAGACCCTGCCCG GCTCCTGCCG GTCCTTGTGCCCTCA CCAGACACCCTGTTG GCCATGACTCAACAA ACCAGTGTTGGGAGC	6 LC4 GCCAGACCCTGCCCG GCTCCTCGACCG GTCCTTGTGCCCTCA CCAGACACCCTGTTG GCCATGACTAACAA ACCAGTGTTGGGAGC	
1335 1336	Ď C	ភ ភូ	ည် ည	ე ე	CC	ည် ည	1425 1426	AA AC	AA AC	AA AC	AA AC	AA AC	AA AC	
ਜ਼ -	GACT	GACTT	GACTT	GACTT	GACTT	GACTT	T	TCAAC	TCAAC	TCAAC	TCAAC	TCAAC	TCAAC	
121	3GAAC?	GAACA	GAACA	GAACA	GAACA	GAACA	11	ATGAC	ATGAC	ATGAC	ATGAC	ATGAC	ATGAC	-
1320 1321	CTC	CTG	CTG	CTG	ည်သ	CTG	1410-1411	900	9 (300	9300	ည္ဗ	900	ည	
133	TGGTG	гесте	rggtg	rggtg	rggtg	rggtg	14.	CTGTT	CTGTT	CTGTT	CTGTT	CTGTT	CTGTT	
	атетс	FTGTC	FFF	этетс	TGTC	FGTC		ACACC	ACACC	ACACC	ACACC	ACACC	CACC	
1305 1306	TGAG	TGAGG	TGAG	TGAGG	TGAGG	TGAGG	1395 1396	CCAG	CCAG	CCAG	CCAG	CCAG	CCAG	
1305	1 666 C	ටවුවල	ටවුවුව	2999	၁၅၅၅	2999	1395	CTCA	CTCA	CTCA	CTCA	CTCA	CTCA	
	TGCC	TGCCI	TGCCI	TGCCI	TGCCT	TGCCT		GTGC	GTGCC	GTGCC	GTGCC	GTGCC	GTGCC	
1291	CCAG	CCAGO	CCAGO	CCAGO	CCAGO	CCAGO	1381	STCCTI	TCCTT	TCCT	TCCTT	TCCTT	TCCTT	
1290 1291	ညည္လ	. DD	CCC	. 222	CCC I	T 222	1380 1381	900	9 900	9: 522	0 0 0 0	CCG G	9 900	
	CAGGC	CAGGC	CAGGC	CAGGC	SAGGC	CAGGC		CCTGP	CCTGA	CCTGA	CCTGA	CCTGA	CCTGA	
576	TCCAG	TCCAG	TCCAG	TCCAG	rccag	TCCAG	998	TCCTC	rccīċ	rccīc	rccro	rccrc	rcctc	
1275 1276	₩.	₽ GC	P GC	€	A GC	A GC	365 1366	ည	9		9 0	ტ ტ	<u>ဂ</u>	
12	GACG	GACGC	GACGC	GACGC	GACGC	GACGC	13	TGCCC	TGCCC	TGCCC	TGCCC	TGCCC	76000	
	creci	CTGCT	CTGCT	CTGCT	CTGCT	CTGCT		GACCC	SACCC	SACCC	SACCC	SACCC	3ACCC	
1261	OCC OCC OCC	ರಂಧ	CCCG	ದದ್ದಡ	CCCG	9000 0000	1351	GCCA	GCCAC	GCCAC	GCCAC	GCCA	GCCA	
	NOC2	NL1	171	1C2	[C3]	ľ.		NOC2	NL1	12	rc5	[C3	LC4	
	1	. 4	n	4	S	9		٠,	7	ю	4	S	9	

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	1410	1464	1530
	4 LC2 CGICTGCCICCCAG CICAGIGCCITICIG CACCCTICICT GGGGAGCIGICIGCA ICCGCCACCCCTCC AACCACTGCCTCAG 1410	5 LC3 CGTCTGCCTCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCTCT GGGAAGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCTCAG	6 LC4 GITTGCCTCCCAG CICAGIGCCTITCTG CACCCCTTCTCT GGGGAGCTGTCTGCA TCGGCCACCCCTCC AACCACTGCCTCAG 1530
*	TCCGCCACCCCCTCC	TCCGCCACCCCCTCC	TCCGCCACCCCTCC
Ì	GGGGAGCTGTCTGCA	GGGGAGCTGTCTGCA	GGGGAGCTGTCTGCA
	CACCCTTCTCTCT	CACCCTTCTCTCT	CACCCTTCTCTCT
	TCAGTGCCTTTCTG (CTCAGTGCCTTTCTG	STCAGTGCCTTTCTG (
	CGTCTGCCTCCCCAG (CGTCTGCCTCCCCAG (CGTCTGCCTCCCCAG (
	4 LC2	5 LC3	6 LC4

		1289	1347	1434	1500	1554	1620		1379	1437	1524	1590	1644	1710	
	1620	aet Teeec Teee	GTTGGGCTGGG	GTTGGGCTGGG	3GTTGGGCTGGG	GTTGGGCTGGG	SGTTGGGCTGGG	1710	AACCTAGGGCAC	4ACCTAGGGCAC	AACCTAGGGCAC	AACCTAGGGCAC	AACCTAGGGCAC	AACCTAGGGCAC	
	1605 1606	TTG	TTG	TTG	TTĞ	TTG	TTG	1695 1696	TGA	TGA	TGÅ	TGA	TGA	TGA	ļ
	•	Trececererc	Trececeterc	TTGCGCGTGTC	ттесесететс	TTGCGCGTGTC	Trececererc	1 1695	SGCAAGACTAAA	GCAAGACTAAA	GCAAGACTAAA	GCAAGACTAAA	GCAAGACTAAA	GCAAGACTAAA	
	1590 1591	AAGI	AAGT	AAGT	AAGT	AAGT	AAGT	1680 1681	AATO	AATG	AATĞ	AATG	AATG	AAT	
	· .	GGTGATGATTT	SGTGATGATTT	3GTGATGATTT	SGTGATGATTT	SGTGATGATTT	SGTGATGATTT	6 1680	CGTTGCTATATT	CGTTGCTATATT	CGTTGCTATATT	cerrecrararr	CGTTGCTATATT	CGTTGCTATATT	
	1575 1576	ည	CCT	CCTO	CCT	CCT	CCTO	1665 1666	CTC	CI CI	CTC	CTC	CTC	CTC	
,		CCCCCAATCTA	CCCCAATCTA	CCCCAATCTA	CCCCAATCTA	CCCCAATCTA	SCCCAATCTA	1665	GGTGGGGCTAT	SGTGGGGCTAT	SGTGGGGCTAT	GGTGGGGCTAT	GGTGGGGCTAT	GGTGGGGCTAT	
	1561	CACA	CACAC	CACAC	CACA	CACAC	CACA	1651	900	ರಿಬರಿ	ರಿಬರಿ	ರಿದಿ	ညည၅	ညည၅	,
	1546 1560 1561	1 NOC2 CCCCCGACCITAITI ATTACCCTCCCTCC CACACCCCCAATCTA CCTGGTGATGATTTT AAGTITGCGCGTGTC TIGGGTTGGGCTGGG	2 NL1 CCCCCGACCTIAITI ATTACCCTCC CACACCCCCAATCTA CCTGGTGATTIT AAGTITGCGCGTGTC TTGGGTTGGGCTGGG	3 LC1 CCCCGACCTTATTT ATTACCCTCC CACACCCCCAATCTA CCTGGTGATGTT AAGTTTGCGCGTGTC TTGGGTTGGG	4 LC2 CCCCGACCTTATT ATTACCCTCC CACACCCCAATCTA CCTGGTGATTT AAGTTTGCGCGTGTC TTGGGTTGGG	5 LC3 CCCCGACCTIATT ATTACCCTCC CACACCCCCAATCTA CCTGGTGATTTT AAGTTTGCGCGTGTC TTGGGTTGGG	6 LC4 CCCCCGACCTIAITT ATTACCCTCC CACACCCCCAATCTA CCTGGTGATATT AAGTTTGCGCGTGTC TTGGGTTGGG	1636 1650 1651	1 NOC2 GGGTTTCCCACATGC AGTGTCAGAGGGCC GCCCGGTGGGGCTAT CTCCGTTGCTATATT AATGGCAAGACTAAA TGAAACCTAGGGCAC	2 NL1 GGGTTTCCCACATGC AGTGTCAGAGGGCC GCCCGGTGGGGCTAT CTCCGTTGCTATATT AATGGCAAGACTAAA TGAAACCTAGGGCAC	3 LC1 GGGTTTCCCACATGC AGTGTCAGAGGGCC GCCCGGTGGGGCTAT CTCCGTTGCTATATT AATGGCAAGACTAAA TGAAACCTAGGGCAC	4 LC2 GGGTTTCCCACATGC AGTGTCAGAGGGGCC GCCCGGTGGGGCTAT CTCCGTTGCTATATT AATGGCAAGACTAAA TGAAACCTAGGGCAC	5 LC3 GGGTTTCCCACATGC AGTGTCAGAGGGCC GCCCGGTGGGGCTAT CTCCGTTGCTATATT AATGGCAAGACTAAA TGAAACCTAGGGCAC	6 LC4 GGGTTTCCCACATGC AGTGTCAGAGGGGCC GCCCGGTGGGGGCTAT CTCCGTTGCTATATT AATGGCAAGACTAAA TGAAACCTAGGGCAC	
	1545	TTATT A	TTATT A	TTATT A	TTATT A	TTATT A	TTATT A	1635 1636	ACATGC P	ACATGC A	acatge A	ACATGC A	ACATGC A	ACATGC P	
	1531	CCCCCGACC	CCCCGACC	CCCCCGACC	CCCCGACC	CCCCCGACC	CCCCGACC	1621	GGGTTTCCC	GGGTTTCCC	GGGTTTCCC	GGGTTTCCC	GGGTTTCCC	GGGTTTCC	
		1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		1 NOC2	2 NL1	3 LC1	4 LC2	5 103	6 LC4	

	1469	1527	1614	1680	1734	1800
1800	CICCCIIC	creecric	CTCCCTTC		STCCCTIC	STCCCTTC
1785 1786	TCTCCCT	TCTCCCT	TCTCCCT	TCTCCCT	TCTCCCT	TCTCCCT
1785	CACCCACCC	SACCCACCC	CACCCACCC	SACCCACCC	SACCCACCC	CACCCACCC
1771 0771	GAGACT	GAGACT	GAGACT	GAGACT	GAGACT	GAGACT
	AGAGCAGTGAGGGG	AGAGCAGTGAGGGG	agagcagtgagggg	AGAGCAGTGAGGGG	AGAGCAGTGAGGGG	AGAGCAGTGAGGGG
1741 1755 1756	GTGTGGCCCCTTAGA GGTGAGCATCAGAGC CAGAGCAGTGAGGGG GAGACTCACCCACCC TCTCCCTCTCCCTTC	GTGTGGCCCCTTAGA GGTGAGCATCAGAGC CAGAGCAGTGAGGGG GAGACTCACCCACCC TCTCCCTCTCCCTTC	GIGIGÉCCCITAGA GETGAGCATCAGAGC CAGAGCAGTGAGGGG GAGACTCACCCACCC TCTCCCTCTCCCTTC 1614	GIGIGGCCCTITAGA GGIGAGCATCAGAGC CAGAGCAGIGAGGG GAGACTCACCCACCC ICTCCCTCTCCCTTC	GIGIGGCCCTITAGA GGIGAGCAICAGAGC CAGAGCAGIGAGGG GAGACICACCCACCC ICICCCICTCCCTIC	GTGTGGCCCCTTAGA GGTGAGCATCAGAGC CAGAGCAGTGAGGGG GAGACTCACCCACCC TCTCCCTCTCCCTTC
1726 1740 1741	GTGTGGCCCCTTAGA	FIGGCCCCTTAGA (srerecccrrasa (STGTGGCCCCTTAGA (STGTGGCCCCTTAGA (STGTGGCCCCTTAGA (
1711 1725	1 NOC2 GECCTCCGAAGCTGC	2 NL1 GGCCTCCGAAGCTGC	, 3 LCI GGCCTCCGAAGCTGC C	LC2 GGCCTCCGAAGCTGC G	S LC3 GGCCTCCGAAGCTGC G	6 LC4 GGCCTCCGAAGCTGC C
	1 NOC2	2 NL1	3 LCI	4 LC2	5 LC3	· 6 LC4

1890	GTTTTT 1559	GTTTTT 1617	GTTTTT 1704	GTTTTT 1770	GTTTT 1824	GTTTT 1890	1980	PACCTCC 1649	ACCTCC 1707
18/2 T0/6	GTTTCTTT	GTTTCTTTC	GTTTCTTTE	GTTTCTTTG	GTTTCTTTG	GTTTCTTTG	1965 1966	GCAACCTCC	GCAACCTCC
7007 7007 0007	ACCTGGGTCTGTTTA	ccreeercrertra	ccreeercrettra	ccreeercrettra	CCTGGGTCTGTTTA	CCTGGGTCTGTTTA		GATCGCGGCTCACT	GATCGCGGCTCACT
•	NOC2 AGCTCTGGGAGGCAG GCGCAGTGCCCCCT CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA GTTTCTTTGGTTTTT	2 NLI AGCICTGGGAGGCAG GCGCAGTGCCCCCCT CCCATGGGCTG AGGACCGCGGGGTGAA ACCTGGGTCTGTTTA GTTTCTTTGGTTTTT	LCI AGCTCTGGGAGGAG GCGCAGTGCCCCCT CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA GTTTCTTTGGTTTTT	LC2 AGCTCTGGGAGGCAG GCGCAGTGCCCCCT CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA GTTTCTTTGGTTTTT	LC3 AGCTCTGGGAGGCAG GCGCAGTGCCCCCCT CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA GTTTCTTTGGTTTTT	LC4 AGCTCTGGGAGGCAG GCGCAGTGCCCCCCT CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA GTTTCTTTGGTTTTT	1935 1936 . 1950 1951	TIGIT TITGACACAGICICG CITIGIIGCCCAGGC IGGGGIGCAGIGGCA CGAICGCGGCICACI GCAACCICCACICC	NLI GIAIGITIGITIGIT ITIGACACAGICICG CITIGITGCCCAGGC IGGGGTGCAGTGGCA CGAICGCGGCTCACI GCAACCICCACTCC
1830 1831 1845 1846	CCCATGGGCTGGCCC	cccareeecreecc	CCCATGGGCTGGCCC	cccareeecreecc	ccareeecreecc	SCCATGGGCTGGCCC 1		CTTTGTTGCCCAGGC '	CTTTGTTGCCCAGGC 1
	GCGCAGTGCCCCCCT	GCGCAGTGCCCCCCT	GCGCAGTGCCCCCCT	GCGCAGTGCCCCCT	gcgcAgraccccctr (GCGCAGTGCCCCCT	1905, 1906 1920 1921	TTTGACACAGTCTCG	TTTGACACAGTCTCG (
OTET CTET TOET	AGCTCTGGGAGGCAG	AGCTCTGGGAGGCAG	AGCTCTGGGAGGCAG	AGCTCTGGGAGGCAG	AGCTCTGGGAGGCAG	AGCTCTGGGAGGCAG	1891 1905.	NOC2 GTATGTTTGTT	GTATGTTTGTT '
	NOC2	NL1	LC1	LC2	rc3	LC4		NOC2	NL1
	-	N	m	₹*		10		_	٠.

	4	. 00	4	08
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1794	1860	1914	1980
	GCAACCTCCACCTCC	GCAACCTCCACCTCC	GCAACCTCCACCTCC	GCAACCTCCACCTCC
f	CGATCGCGGCTCACT	CGATCGCGGCTCACT	CGATCGCGGCTCACT	CGATCGCGGCTCACT
	TGGGGTGCAGTGGCA	TGGGGTGCAGTGGCA	TGGGGTGCAGTGGCA	regestecastesca
	CTTTGTTGCCCAGGC	CTTTGTTGCCCAGGC	CTTTGTTGCCCAGGC	CTTTGTTGCCCAGGC
	TTTGACACAGTCTCG	TTTGACACAGTCTCG	TTTGACACAGTCTCG	TTTGACACAGTCTCG
	3 LC1 GTATGTTTGTTTGTT TTTGACACAGTCTCG CTTTGTTGCCCAGGC TGGGGTGCCAGTGGCA CGATCGCGGGCTCACT GCAACCTCCACCTCC	4 LC2 GTAIGTITGTITGTI TYTGACACAGICICG CTITGTIGCCCAGGC TGGGGTGCAGTGGCA CGAICGCGGCTCACT GCAACCTCCACTCC	5 LC3 GTATGTTTGTTGTT TTTGACACAGTCTCG CTTTGTTGCCCAGGC TGGGGTGCCAGTGGCA CGATCGCGGGCTCACT GCAACCTCCACTCC	6 LC4 GTATGTITGTIT TITGACACAGICICG CTTIGITGCCCAGGC IGGGGTGGCA CGAICGCGGGCICACT GCAACCICCACTCC
	3 LC1	4 LC2	5 LC3	6 LC4

		1981 1995	1995 1996 2010	2010 2011 20	2025 2026	2040	2040 2041 20	2055 2056	356 2070	_
	4002	NOC2 CGGGCTCAAGCGAIT CTCTCACCTCAGCCT CCTGAGTAGCTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTTGTATTTTTAG	crcrcaccrcaecci	T CCTGAGTAGGTGG	GA TTACAG	ATGCCCGCC	ACCACACCCAGTT	AA II	TTTGTATTTTAG	1739
- 2	4L1	2 NL1 CGGGCTCAAGCGATT CTCTCACCTCAGCCT CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTGTATTTTTAG	CTCTCACCTCAGCCT	r ccreaetagetge	ga ttacag	ATGCCCGCC 1	ACCACACCCAGTTA	aa tt	TTTGTATTTTAG	1797
m	13	3 LCI CGGGCTCAAGCGAIT CICTCACCTCAGCCT CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTGTATTTTAG	crereacereageer	r ccreaetagetee	GA TTACAG	ATGCCCGCC	ACCACACCCAGTT/	aa tt	TTTGTATTTTAG	1884
4	727	4 LC2 CGGGCTCAAGCGATT CTCTCACCTCAGCCT CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTGTATTTTAG	CTCTCACCTCAGCCT	r ccrgagtaggree	GA TTACAG	ATGCCCGCC	ACCACACCCAGTT	AA TT	TTTGTATTTTAG	1950
ເດ	LC3	5 LC3 CGGGCTCAAGCGAIT CTCTCACCTCAGCCT CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTGTAITTTTAG	CTCTCACCTCAGCCT	r cctgagtaggtag	GA TTACAG	ATGCCCGCC	ACCACACCCAGT7	AA TT	TTTGTATTTTAG	2004
9	LC4	6 LC4 GGGGCTCAAGGGATT CTCTCACCTCAGGCT CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTGTATTTTAG	crereacereageer	r ccreagraggree	GA TTACAG	ATGCCCGCC	ACCACACCCAGIT	AA TT	TTTGTATTTTAG	2070

2160	GA 1829	GA 1887	GA 1974	GA 2040
2145 2146 2	cccaaagrecree	CCCAAAGTGCTGG	ccaaagtecree	ccaaagtecteg
	accccccrceeccr	scceccrceeccr	cocecorceeccr	SCCGCCTCGGCCT
2130 2131	AAGTGATC O	AAGTGATC CO	AAGTGATC C	AAGTGATC CC
2115 2116	: regrere	TGGTCTC	TGGTCTC	TGGTCTC
	CTGGTCTTGAACTCC	CTGGTCTTGAACTCC	CTGGTCTTGAACTCC	CTGGTCTTGAACTCC
2086 2100 2101	ccaretreeccase	ccargrreeccage	CCATGTTGGCCAGG	CCATGTTGGCCAGG
2071 2085 2086	1 NOC2 AAGAGAIGGGGTIIC ICCAIGTIGGCCAGG CIGGICTIGAACICC IGGICICAAGIGAIC CGCCCGCCICGGCCI CCCAAAGIGCIGGA	2 NL1 AAGAGATGGGGGTTTC TCCATGTTGGCCAGG CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	3 LC1 AAGAGAIGGGGIIIC ICCAIGIIGGCCAGG CIGGICIIGAACICC IGGICICAAGIGAIC CGCCCGCCICGGCCI CCCAAAGIGCTGGA	4 LC2 AAGAGATGGGGTTTC TCCATGTTGGCCAGG CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA
.,	NOCZ 1	NL1 P	3 LC1 7	1 LC2 A

0		2094	2160		1919	1977	2064	2130	2184	2250	
	•	CCCAAAGTGCTGGGA	CCCAAAGTGCTGGGA	2235 2236 2250	AGCCTGTCTTCAGCT	AGCCTGTCTTCAGCT	AGCCTGTCTTCAGCT	AGCCTGTCTTCAGCT	TTACAGGIGIAGGC ACCGCACCCAAICCI ATTAGGITICITIGA ATCCCCTCAIGGCCI GCCIGGITITIGCIC AGCCIGICITICAGCI	AGCCTGTCTTCAGCT	-
·		TCCATGTTGGCCAGG CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	ceccceccrceeccr	2220 2221 2235	GAGCC ACCGCACCAATCCT ATTAGGTTTCTTTGA ATCCCCTCATGGCCT GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	GAGCC ACCGCACCCAATCCT ATTAGGTTTCTTTGA ATCCCCTCATGGCCT GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	GCCTGGTTTTTGCTC	TTACAGGIGIGAGCC ACCGCACCCAAICCT ATTAGGTTTCTTIGA AICCCCICAIGGCCI GCCIGGTTTTIGCIC AGCCIGITTCAGCI	GCCTGGTTTTTGCTC	TTACAGGIGIGAGCC ACCGCAATCCT AITAGGITTCTITGA ATCCCTCAIGGCCT GCCIGGITTTIGCIC AGCCTGTCTTCAGCT	
		TGGTCTCAAGTGATC	TGGTCTCAAGTGATC	2205 2206 2220	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	
	**	CTGGTCTTGAACTCC	CTGGTCTTGAACTCC	2190 2191 220	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	
		TCCATGTTGGCCAGG	TCCATGTTGGCCAGG	2175 2176 2190	ACCGCACCCAATCCT	ACCGCACCCAATCCT	ACCGCACCCAATCCT	ACCGCACCCAATCCT	ACCGCACCCAATCCT	ACCECACCCAATCCT	
	•	5 LC3 AAGAGATGGGGTTTC	6 LC4 AAGAGATGGGGTTTC TCCATGTTGGCCAGG CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	2161 2175	1 NOC2 TTACAGGTGTGAGCC	TTACAGGTGT	3 LC1 TTACAGGTGTGAGCC ACCGCACCCAATCCT ATTAGGTTTCTTTGA ATCCCCTCATGGCCT GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	TTACAGGTGTGAGCC	TTACAGGTGTGAGCC	TTACAGGTGTGAGCC	
	•	5 LC3	6 LC4		1 NOC2	2 NL1	3 LC1	4 LC2	S LC3	6 LC4	

	.6002	2067	2154	2220	2274	2340	:
2340	cerecerece	cereecreec	CGTGGCTCCC	cereecreec	cereecreec	cerecerece	
2325 2326	GGGCA	3GGCA	GGGCA	GGGCA	GGGCA	GGGCA	
. ,	GCATCCCCAGCCA	SCATCCCCAGCCA	scarcccagcca	SCATCCCCAGCCA	SCATCCCCAGCCA	SCATCCCCAGCCA	
2310_2311	4G GT	IG GT	ig GT(G GT	AG GT(AG GT(
2295 2296 23	AAGAGCAGCGTTC	AAGAGCAGCGTTC?	AAGAGCAGCGTTCA	AAGAGCAGCGTTCA	AAGAGCAGCGTTC?	AAGAGCAGCGTTC?	
2280 2281 2299	TGAACTCACTTGCTG	TGAACTCACTTGCTG	TGAACTCACTTGCTG	TGAACTCACTTGCTG	TGAACTCACTTGCTG	TGAACTCACTTGCTG	
2265 2266 2280	CTCTGGTGGATGCTA	CTCTGGTGGATGCTA TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	CTCTGGTGGATGCTA TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	CTCTGGTGGATGCTA TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	CICTGGIGGAIGCIA IGAACICACIIGCIG AAGAGCAGCGIICAG GIGCAICCCCAGCCA GGGCACGIGGCICCC	CTCTGGTGGATGCTA TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	
2251 2265	1 NOC2 TGAGGAGCTGGGAAG CTCTGGTGGATGCTA TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	2 NL1 TGAGGAGCTGGGAAG	3 LC1. TGAGGAGCTGGGAAG	4 LC2 TGAGGAGCTGGGAAG	5 LC3 TGAGGAGCTGGGAAG	6 LC4 TGAGGAGCTGGGAAG	
	1 NOC2	2 NL1	3 LC1.	4 LC2	5 LC3	6 LC4	

1 NOC2 TGGAAGGGCCTICIC TCCAAGCTGGGAGCT CCTGGGCCCCCACCA TTCACTTTTGTCCT TGCTGCTGGCAAACA GTAAAGAAACTCACT 2279 2 NL1 TGGAAGGGCCTTCTC TCCAAGCTGGGAGCT CCTGGGCCCCCACCA TTCACTTTTTGTCCT TGCTGCCAAACA GTAAAGAAACTCACT 2337

		2341	2355	2356	2370 2371	2371	2385	2386	2400 2401	2401	24TS 2416	2416 2430	Q	
н	NOC2	1 NOC2 TCAGCCATGAR	ATTCA	CTTCTCTTCAGG	3AGG	TTTGGCTTGGC	ATGA	AAATACTTC	ATTCAG	AGTATGGGCA	ATGC	NITCA CITCICITCAGGAGG ITIGGCIIGGGAIGA AAAIACIICAIICAG AGIAIGGGCAAAIGC ITCIGGAAAACCCII	T 2099	
7	NL1	TCAGCCATGAA	ATTCA	CTTCTCTTCAGG	rAGG 7	rtteecrteec	ATGA	AAATACTTC	ATTCAG	AGTATGGGCAA	ATGC	2 NL1 TCAGCCATGAATTCA CTTCTCTTCAGGAGG TTTGGCTTGGC	r 2157	
ო	3 LC1	TCAGCCATGAA	TTCA	cricricricage	AGG 1	rteectreec	ATGA	AAATACTTCF	ATTCAG	AGTATGGGCAA	ATGC '	TCAGCCATGAATTCA CTTCTCTTCAGGAGG TTTGGCTTGGC	r 2244.	
4	102	TCAGCCATGAA	TTCA	CTTCTCTTCAGG	AGG 1	TTGGCTTGGC	ATGA /	AAATACTTCA	TTCAG	AGTATGGGCAA	ATGC .	4 LC2 TCAGCCATGAATTCA CTTCTCTTCAGGAGG TTTGGCTTGGC	r 2310	
ß	LC3	TCAGCCATGAA	TTCA	CTTCTCTTCAGG	AGG T	TTGGCTTGGC	TGA A	AATACTTCA	TTCAG	GTATGGGCAA	ATGC 1	5 LC3 TCAGCCATGAATTCA CTTCTCTTCAGGAGG TTTGGCTTGGC	2364	
9	LC4	TCAGCCATGAA	TTCA	CTTCTCTTCAGG	4GG T	TIGGCTIGGCA	TGA P	AATACTTCA	TTCAG A	GTATGGGCAA	ATGC T	6 LC4 TCAGCCATGAATTCA CTTCTCTTCAGGAGG TTTGGCTTGGC	2430	
	0	2431	2445	2445 2446 2	2460 2461		2475 2476	2476	2490 2491	2491	2505 2506	2520	02	
-	NOC2	CCCTGAAGAGA	GAGA	ACGTGTGTGT	GTG 1	CGGTGATCAC	ACCC 1	rccarcctr	CCTGC	TCCTGCCCCA	AACC (1 NOC2 CCCTGAAGAGAGAGA ACGTGTGTGTGTGTGT TCGGTGATCACCCC TCCCATCCTTCCTGC CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	2189	
2	NL1	CCCTGAAGAGA	GAGA	ACGTGTGTGTGT	FTG T	CGGTGATCACA	ACCC T	CCCATCCTT	ccTiec c	TCCTGCCCCA	NACC C	NL1 CCCTGAAGAGAGAGA AGGTGTGTGTGTG TCGGTGATCACACCC TCCCATCCTTCCTGC CTCCTGCCCAAACC CCGGGTTCCTGGGTC	2247	
m	IC1	CCCTGAAGAGA	GAGA	ACGTGTGTGTGT	FTG T	CGGTGATCACA	CCC T	CCCATCCTT	CCTGC C	TCCTGCCCCA	AACC C	3 LC1 CCCTGAAGAGAGAGA ACGTGTGTGTGTGT TCGGTGATCACCC TCCCATCCTTCCTGC CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	2334	
4	rc2	CCCTGAAGAGA	GAGA 7	ACGTGTGTGTGT	FTG T	CGGTGATCAC	מככ ב	CCCATCCTT	CCTGC	TCCTGCCCCA	ACC C	4 LC2 CCTGAAGAGAGAGA ACGTGTGTGTGTG TCGGTGATCACCC TCCCATCCTTCCTGC CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	2400	
S	EC3	CCCTGAAGAGA	GAGA 1	ACGTGTGTGTGT	TG T	CGGTGATCACP	CCC T	CCCATCCTT	CCTGC C	TCCTGCCCCA	ACC C	5 LC3 CCCTGAAGAGAGAGA ACGTGTGTGTGTGT TCGGTGATCACCC TCCCATCCTTCCTGC CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	2454	
9	LC4	CCCTGAAGAGA	GAGA 7	acererererere	TG T	CGGTGATCACP	CCC T	CCCATCCTT	CCTGC C	TCCTGCCCCAA	ACC C	6 LC4 CCCTGAAGAGAGA ACGTGTGTGTGTGT TCGGTGATCACCC TCCCATCCTTCCTGC CTCCTGCCCAAACC CCGGGTTCCTGGGTC	2520	
					•					-			-	
. '	,	2521	2535 2536		2550 2551	2551	2565 2566	2566	2580 2581	2581	2595	2596 2610	0.	

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2424	2490	2544	2610								
						*					:
gtaaagaa	GTAAAGAA	GTAAAGAA	gtaaagaa								
GCAAACA	GCAAACA	GCAAACA	GCAAACA								
тестесте	recrecte	Tecrecre	TGCTGCTG								
rterccr	PTGTCCT	rgreer	TTGTCCT				35	7.5	88	95	89
TCACTTT	TCACTIT	TCACTTT	TCACTIT		2656	NAA 2327	AAA 2385	LAA 2472	NAA 2538	4AA 2592	AAA 2658
3 LCI TGGAAGGGCCTTCTC TCCAAGCTGGGAGCT CCTGGGCCCCCACCA TTCACTTTTTGTCCT TGCTGCCAAACA GTAAAGAAACTCACT	TGGAAGGGCCTTCTC ICCAAGCTGGGAGCT CÇTGGGCCCCCACCA ITCACTTTTTGTCCT IGCTGCTAGAAACA GTAAAAAACTCACT	TGGAAGGGCCTICIC ICCAAGCIGGGAGCI CCIGGGCCCCCCACCA IICACITITIGICCI IGCIGCIGGCAAACA GIAAAGAAACICACI	6 LC4 TGGAAGGGCCTTCTG TCCAAGCTGGGAGCT CCTGGGCCCCCACCA TTCACTTTTTGTCCT TGCTGGTAAACA GTAAAGAAACTCACT		41 2655 2656	1 NOC2 ITCCCIGIGGCACGI TAIGCITCAGAAITA AAACAAIGAAGAITA AAA	TICCCIGIGGCACGI TAIGCTICAGAAITA AAACAAIGAAGAITA AAA	TTCCCTGTGGCACGT TATGCTTCAGAATTA AAACAATGAAGATTA AAA	TATGCTTCAGAATTA AAACAATGAAGATTA AAA	TTCCCTGTGGCACGT TATGCTTCAGAATTA AAACAATGAAGATTA AAA	TTCCCTGTGGCACGT TATGCTTCAGAATTA AAACAATGAAGATTA AAA
SCT CCT	CT CCT	CT CCT	CT CCT	٠.	2640 2641	ITA AA	TA AAA	TA AAA	TA AA	ITA AA	LTA AA
CCAAGCTGGGAG	CCAAGCTGGGAG	CCAAGCTGGGAG	CCAAGCTGGGAG			ATGCTTCAGAA'	ATGCTTCAGAAI	ATGCTTCAGAA1	ATGCTTCAGAAI	'ATGCTTCAGAA'	'ATGCTTCAGAA'
AGGCCTTCTC T	AGGGCCTTCTC T	AGGCCTTCTC T	AGGGCCTTCTC T		2625 2626	CTGTGGCACGT 1	CTGTGGCACGT T	CTGTGGCACGT T	TTCCCTGTGGCACGT T	CTGTGGCACGT 1	CTGTGGCACGT 1
TGGA	TGGA		TGGA		2611	2 TTCC				TTCC	
3 LC1	4 LC2	5 1.03	6 LC4			1 NOC	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4

		.1 15	15 16 30	30 31 45	45 46 60	60 61 75	75 76 90	
	NOC2	1 NOC2 MADTIFGSGNDQWVC PNDRQLALRAKLQTG WSVHTYQTEKQRRKQ HLSPAEVEAILQVIQ RAERLDVLEQQRIGR LVERLETMRRNVMGN	PNDRQLALRAKLQTG	WSVHTYQTEKORRKO	HLSPAEVEAILOVIQ	RAERLDVLEQQRIGR	LVERLETMRRNVMGN	06
	NL1	2 NL1 MADTIFGSGNDQWVC	PNDRQLALRAKLQTG	WSVHTYQTEKQRRKQ	HLSPAEVEAILQVIQ	PNDRQLALRAKLQTG WSVHTYQTEKQRRKQ HLSPAEVEAILQVIQ RAERLDVLEQQRIGR LVERLETMRRNVMGN	Lverletmrrnvmgn	06
~	101	3 LC1 MADTIFGSGNDQWVC PNDRQLALRAKLQTG WSYHTYQTEKQRRKQ HLSPAEVÉAILQVIQ RAERLDVLEQQRIGR LVERLETMRRNVMGN	PNDRQLALRAKLQTG	WSVHTYQTEKQRRKQ	HLSPAEVÉAILQVIQ	RAERLDVLEQQRIGR	LVERLETMRRNVMGN	06
	LC2						MRRNVMGN	6 0
1	£53	LC3 MADTIFGSGNDQWVC	PNDRQLALRAKLQTG	WSVHTYQTEKQRRKQ	HLSPAEVEAILQVIQ	PNDROLALRAKLOTG WSVHTYQTEKQRRKQ HLSPAEVEAILQVIQ RAERLDVLEQQRIGR LVERLETMRRNVMGN	LVERLETMRRNVMGN	06
	LC4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					MRRNVMGN	∞
		91 105 106		120 121, 135	135 136 150	150 151 165	165 166 180	
	NOC2	NOC2 GLSQCLLCGEVLGFL GSSSVFCKDCRKKVC TKCGIEASFGQKRPL WLCKICSEQREVWKR SGAWFYKGLPKYILP LKTPGRADDPHFRPL	GSSSVFCKDCRKKVC	TKCGIEASPGQKRPL	WLCKICSEQREVWKR	SGAWFYKGLPKYILP	LKTPGRADDPHFRPL	180
	NL1	NL1 GLSQCLLCGEVLGFL GSSSVFCKDCRK	GSSSVFCKDCRK		VWKR	VWKR SGAWEYKGLEKYILP LKTPGRADEPQERPW	LKTPGRADEPQFRPW	151
	rc1	1 LCI GLSQCLLCGEVLGFL GSSSVFCKDCRKKVC TKCGIEASPGQKRPL WLCKICSEQREVWKR SGAWFYKGLPKYILP LKTPGRADDPHFRPL	GSSSVFCKDCRKKVC	TKCGIEASPGOKRPL	WLCKICSEOREVWKR	SGAWFYKGLPKYILP	LKTPGRADDPHFRPL	180
	LC2	LC2 GLSQCLLCGEVLGFL GSSSVFCKDCRKKVC TKCGIEASPGQKRPL WLCKICSEQREVWKR SGAWFYKGLPKYILP LKTPGRADDPHFRPL	GSSSVECKDCRKKVC	TKCGIEASPGOKRPL	WLCKICSEOREVWKR	SGAWFYKGLPKYILP	LKTPGRADDPHFRPL	86
_	LC3	5 LC3 GLSQCLLCGEVLGFL GSSSVFCKDCRKKVC TKCGIEASPGQKRPL WLCKICSEQREVWKR	GSSSVFCKDCRKKVC	TKCGIEASPGQKRPL	WLCKICSEOREVWKR	SGAWFYKGLPKYILP LKTPGRADDPHFRPL	LKTPGRADDPHFRPL	180
	. 2	F 10.4 GISOCII GENIGEL GSSSYFCKDGRKKYG TKCGIEASPGOKRPL WLCKICSEOREVWKR SGAWFYKGLPKYILP LKTPGRADDPHFRPL	GSSSVFCKDCRKKVC	TKCGTEASPGOKRPL	WLCKICSEOREVWKR	SGAWEYKGLPKYILP	LKTPGRADDPHERPL	86

		270	241	270	210	128	188								
	256 270	PPGHLSGCQSSLASG	PAGHLFGLOSSLASG	PAGHLFGLOSSLASG			PAGHLFGLQSSLASG								
: .	240 241 255	ESGGSVEAPRMGFTH	ESGGSVEAPRMGFTQ	ESGGSVEAPRMGFTQ			ESGGSVEAPRMGFTQ	330	315	و	r.	്ന	. 0	88	
	225 226 240	RIYTWARGRVVSSDS DSDSDLSSSSLEDRL PSTGVRDRKGDKPWK	PSTGVRDRKGDKPWK	PSTGVRDRKGDKPWK			PSTGVRDRKGDKPWK	316	• .	APAGPSSCLG 296	APAGPSSCLG 325	APAGPSSCLG 243	210	128	
	210 211 225	DSDSDLSSSSLEDRL	DSDSDLSSSSLEDRL	DSDSDLSSSSLEDRL	1		DSDSDLSSSSLEDRL	300 301 315	APVKDTPGRAPAADA APAGPSSCLG	APVKDTPGRAPAADA	APVKDTPGRAPAADA	APVKDT PGRAPADA			
	196	RIYTWARGRVVSSDS	RIYTWARGRVVSSDS DSDSDLSSSSLEDRL	RIYTWARGRVVSSDS DSDSDLSSSSLEDRL	RIYTWARGRVVGRKC	RIYTWARGRVVGRKC	RIYTWARGRVVSSDS	586	PRPGLTRR	SADPPGGPRPGLTRR	SADPPGGPRPGLTRR APVKDTPGRAPAADA APAGPSSCLG	SADPPGGPRPGLIRR APVKDIPGRAPAADA APAGPSSCLG			
	181 195	NOC2 PTEPAEREPRSSETS	PTEPAEREPRSSETS	PTE PAERE PRSSETS	4 LC3 PTEPAEREPRSSETS	5 LC4 PTEPAEREPRSSETS	6 LC2 PTEPAÉREPRSSETS RIYTWARGRVVSSDS DSDDLSSSSLEDRL PSTGVRDRKGDKPWK ESGGSVEAPRMGFTQ PAGHLFGLQSSLASG	271 285	1 NOC2 ETGTGSADPPGG	ETGTGSADPPGGGTG	ETGTGSADPPGGGTG	ETGTGSADPPGGGTG			
		1 NOC2	2 NL1	3 LC1	4 LC3	5 LC4	6 102		1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4	